



Abstract Submission

[Meeting Announcements](#)[Meetings Calendar](#)

Abstract Submission Site

October 23, 2009

[Home](#) > [Select Meeting](#) > [Author Information](#) > [Abstract Information](#) > [Preview](#) > [Confirmation](#)

You may edit a previously completed section by clicking the corresponding link above. DO NOT use your browser's "BACK" button.

Step 4: Preview - Abstract Submission

If you wish to edit anything below, please use the links above to return to the corresponding page.
Do NOT use your browser's Back button.

APS April Meeting 2010

Author

Zhengyun You

youzy@lanl.gov

Los Alamos National Laboratory

The Forward Silicon Vertex Detector Upgrade for the PHENIX Experiment at RHIC

E12. - E12. Instrumentation

E - Experimental

ORAL

The PHENIX detector at RHIC will be upgraded with the Forward Silicon Vertex Detector (FVTX). The FVTX consists of two arms, each with four discs of silicon strip sensors combined with FPHX readout chips, covering the acceptance of existing muon arm detectors ($1.2 < \eta < 2.4$). It will provide precision tracking and reconstruction of the primary vertex and the recognition of secondary decay vertices in the collision system, to allow discrimination among prompt muons, heavy flavor decay muons and muons from hadronic decays. The proposed tracker is planned to be put into operation in FY2011. The tracking performance and expectations for the physics signal extraction, the current status of detector construction, assembly plan, and the results of beam tests will be presented.

Submitter

Zhengyun You

youzy@lanl.gov

Los Alamos National Laboratory

61076178

USA

Collaboration

Collaboration

PHENIX

Print this page for your records prior to final submission.[Submit](#)[Preview Abstract Layout](#)